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We claim:

1. A method of optimizing the transmission of data in a wireless communication network, said method comprising the steps of:

5       acquiring a first communication interface of a plurality of communication interfaces to transmit data associated with a first application for a first period of time;

transmitting a first block of data on said first communication interface for a second period of time which is less than said first period of time; and

transmitting a second block of data associated with a second application on said first communication interface for at least a portion of said first period of time remaining after said second period of time.

2. The method of claim 1 wherein said step of acquiring said first communication interface comprises acquiring said first communication interface for a predetermined cost for said first period of time.

3. The method of claim 2 further comprising a step of determining whether said predetermined cost of transmitting data on said first communication interface is greater than a maximum cost.

20       4. The method of claim 1 further comprising a step of determining if said second application has said second block of data to be transmitted.

5. The method of claim 1 further comprising a step of determining whether said first communication interface is acceptable for said second application.

25       6. The method of claim 1 further comprising a step of determining whether said second block of data is transmitted at a second rate which is less than said first rate.

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7. The method of claim 1 further comprising a step of transmitting a remaining portion of said second block of data on a second communication interface.

5 8. The method of claim 7 wherein said step of transmitting a remaining portion of said second block of data on a second communication interface comprises sending data at a second predetermined cost.

9. The method of claim 1 wherein said steps of transmitting said first and second blocks of data comprise sending data from a telematics communication unit of a vehicle.

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10. A method of optimizing the transmission of data in a wireless communication network, said method comprising the steps of:

5 acquiring a first communication interface of a plurality of communication interfaces to transmit data associated with a first application from a telematics communication unit of a vehicle for a first period of time;

transmitting a first block of data associated with said first application on said first communication interface for a second period of time which is less than said first period of time;

determining whether a second block of data associated with a second application is available to be transferred; and

transmitting at least a portion of said second block of data associated with said second application on said first communication interface for at least a portion of said first period of time remaining after said second period of time.

11. A method of transmitting data, said method comprising the steps of:

transmitting a first block of data associated with a first application on a first communication interface for a first period of time which is less than a predetermined period of time to transmit data on said first communication interface;

20 determining if a second block of data associated with a second application is available to be transmitted on said first communication interface; and

transmitting at least a portion of said second block of data on said first communication interface for at least a portion of said predetermined time to transmit data on said first communication interface.

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12. The method of claim 11 further comprising a step of acquiring said first communication interface for said predetermined period of time.

5 13. The method of claim 12 wherein said step of acquiring said first communication interface comprises acquiring said first communication interface for said predetermined period of time at a predetermined cost.

14. The method of claim 13 wherein said step of transmitting a first block of data comprises transmitting said first block of data at said predetermined cost.

15. The method of claim 11 further comprising a step of determining whether said first communication interface is acceptable for the transmission of said second block of data associated with said second application.

16. The method of claim 11 further comprising a step of determining whether a cost of transmitting data on said first communication interface is greater than a maximum cost for transmitting data associated with said second application.

20 17. The method of claim 16 further comprising a step of determining whether said second block of data is transmitted on said first communication interface at a second cost which is less than said cost of transmitting data on said first communication interface.

25 18. The method of claim 11 further comprising a step of transmitting a remaining portion of said second block of data on a second communication interface.

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19. The method of claim 11 wherein said step of transmitting a remaining portion of said second block of data on a second communication interface comprises sending data at a second predetermined cost.

5 20. The method of claim 11 wherein said steps of transmitting said first block of data and second block of data comprise sending data from a telematics communication unit of a vehicle.

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21. A method of optimizing the transmission of data in a wireless communication network, said method comprising the steps of:

acquiring a first communication interface of a plurality of communication interfaces to transmit data for a first period of time;

5 transmitting a first block of data associated with a first application on said first communication interface for a second period of time which is less than said first period of time; and

transmitting a second block of data associated with a second application for at least a portion of said first period of time remaining after said second period of time at a second cost which is lower than a first cost of transmitting said first block of data.

22. The method of claim 21 wherein said step of acquiring said first communication interface comprises acquiring said first communication interface for a predetermined cost for said first period of time.

23. The method of claim 22 further comprising a step of determining whether said cost of transmitting data on said first communication interface is greater than a maximum value for transmitting said second block of data.

20 24. The method of claim 21 further comprising a step of determining if said second application has said second block of data to be transmitted.

25 25. The method of claim 21 further comprising a step of determining whether said first communication interface is acceptable for transmitting data associated with said second application.

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26. The method of claim 21 further comprising a step of determining whether said second block of data is transmitted at said second cost which is less than said first cost.
27. The method of claim 21 further comprising a step of transmitting a remaining portion of said second block of data on a second communication interface.
28. The method of claim 21 wherein said step of transmitting a remaining portion of said second block of data on a second communication interface comprises sending data at said second cost.
29. The method of claim 21 wherein said steps of transmitting said first and second blocks of data comprise sending data from a telematics communication unit of a vehicle.